

5.(Amended) The method of claim 1, characterized in that said second flow from the separator is mixed with wet gas before it is conveyed to the pipeline.

6.(Amended) The method of claim 1, characterized in that the method is performed at the sea bottom.

7.(Amended) The method of claim 1, characterized by using an uninsulated pipe as heat exchanger when the surrounding temperature is sufficiently low.

8.(Amended) The method of claim 1, characterized in that the fluid hydrocarbons are hydrocarbon gas.

9.(Amended) The method of claim 1, characterized in that the hydrocarbon flow is conveyed through a choke which is arranged upstream of the reactor or is a part of the reactor.

10.(Amended) The method of claim 1, characterized in that the flow from the reactor conveyed through a first separator to be separated in a hydrocarbon gas flow and a flow which is subsequently subjected to separation in a second separator into said first and second flow.

14.(Amended) The system of claim 12, characterized in that it includes a mixer (5) between the first heat exchanger (4) and the reactor (6).

15.(Amended) The system of claim 12, characterized in that it includes means (2) for adding chemicals to the flow.

16.(Amended) The system of claim 12, characterized in that it includes means (12) between the separator and the pipeline for mixing the flow from the separator (8) with wet gas (11) before said flow enters the pipeline (13).

END  
A<sub>2</sub>  
17.(Amended) The system of claim 12, characterized in that it includes a separator (14) between the second heat exchanger (7) and the separator (8) for recovering hydrocarbon gas from the flow.

18.(Amended) The system of claim 12, characterized in that it comprises means (16) for adding cooled condensate under pressure to the line (9) from the separator (8) to the reactor (9).

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**Kindly add the following new claims:**

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19.(NEW) The method of claim 2, characterized in that desired chemicals are added upstream to the reactor.

20.(NEW) The method of claim 2, characterized in that the flow of fluid hydrocarbons is subjected to a mixing operating before introduction into the reactor to disperse the water present as droplets in the fluid hydrocarbon phase.

21.(NEW) The method of claim 3, characterized in that the flow of fluid hydrocarbons is subjected to a mixing operating before introduction into the reactor to disperse the water present as droplets in the fluid hydrocarbon phase.

22.(NEW) The system of claim 13, characterized in that it includes a mixer (5) between the first heat exchanger (4) and the reactor (6).

23.(NEW) The system of claim 13, characterized in that it includes means (2) for adding chemicals to the flow.

24.(NEW) The system of claim 14, characterized in that it includes means (2) for adding chemicals to the flow.

**SECRET**